

CLAIMS

1. (Canceled)
2. (Canceled)
3. (Currently amended) Δ The photography system, of claim-1 comprising:
a remote control; and
a digital camera having a field of view, which digital camera can detect in its
field of view the position of the remote control, and which digital camera
selects a region from its field of view to photograph based on the detected
position of the remote control;
wherein the selected region is of a predetermined size, and wherein, when a
region of the predetermined size cannot be centered on the detected
position of the remote control while keeping within the camera's field of
view, the digital camera positions the selected region as nearly as possible
to centered on the detected position of the remote control while keeping
the selected region within the camera's field of view.
4. (Currently amended) Δ The photography system, of claim-1 comprising:
a remote control; and
a digital camera having a field of view, which digital camera can detect in its
field of view the position of the remote control, and which digital camera
selects a region from its field of view to photograph based on the detected
position of the remote control] wherein the digital camera[[:]]
a) selects the largest region that will fit within its field of view when the
selected region is centered on the detected position of the remote
control, and
b) centers the selected region on the detected position of the remote
control.
5. (Currently amended) Δ The photography system, of claim-1 comprising:
a remote control; and

a digital camera having a field of view, which digital camera can detect in its field of view the position of the remote control, and which digital camera selects a region from its field of view to photograph based on the detected position of the remote control, wherein minimum and maximum sizes of the selected region are predetermined, and wherein the digital camera

- a) selects a region that is the smaller of the predetermined maximum region size and the largest size that will fit within the camera's field of view and can be centered on the detected position of the remote control when such a region can be selected that is larger than the predetermined minimum region size, and otherwise
- b) selects a region that is of the predetermined minimum region size and positions the region as nearly as possible to centered on the detected position of the remote control while keeping the region within the camera's field of view.

- 6. (Currently amended) The photography system of claim ~~[[1]]~~ 3, 4, or 5 wherein the remote control further comprises a light source, and the digital camera detects the position of the remote control by detecting the light source.
- 7. (Original) The photography system of claim 6 wherein the light source emits light intermittently.
- 8. (Original) The photography system of claim 7 wherein the digital camera detects the position of the remote control by detecting a change in state of the light source between successive digital images.
- 9. (Original) The photography system of claim 6 wherein the light source emits no light during the taking of a final photograph.
- 10. (Original) The photography system of claim 6 wherein the light source is used to signal the digital camera to perform at least one other function in addition to selecting a region to photograph.

11. (Canceled)
12. (Canceled)
13. (Currently amended) The photography system of claim ~~[[1]]~~ 3, 4, or 5 wherein the digital camera is capable of making video recordings, the remote control comprises a light source that emits light intermittently, and the digital camera removes the effect of the light source from video frames in which the emitting light source appears.
14. (Canceled)
15. (Canceled)
16. (Currently amended) The photography system of claim 13 wherein the effect of the light source is removed using pixel information from at least one other video frame~~[[s]]~~ in which the emitting light source does not appear.
17. (Canceled)
18. (Currently amended) The photography system of claim ~~[[1]]~~ 3, 4, or 5 wherein the digital camera comprises an optical zoom function, and wherein the digital camera improves a resolution of the selected region using the optical zoom function.
19. (Canceled)
20. (Canceled)
21. (Currently amended) ~~A~~ The method of claim ~~19~~ photography, comprising:
 - detecting, in a field of view of a digital camera, a position of a remote control;
 - and
 - automatically selecting, based on the position of the remote control, a region from the camera's field of view to photograph;

wherein the region is of a predetermined size, and, when a region of the predetermined size cannot be centered on the detected position of the remote control while keeping within the camera's field of view, selecting a region from the camera's field of view comprises positioning the selected region as nearly as possible to centered on the detected position of the remote control, while keeping the selected region within the camera's field of view.

22. (Currently amended) Δ The method of claim-19 photography, comprising:
detecting, in a field of view of a digital camera, a position of a remote control;
and
automatically selecting, based on the position of the remote control, a region
from the camera's field of view to photograph;
wherein selecting a region from the camera's field of view comprises[{:}]
- a) selecting the largest region that can be centered on the detected position of the remote control while fitting within the camera's field of view; and
 - b) centering the region on the detected position of the remote control.

23. (Currently amended) Δ The method of ~~claim-19~~ photography, comprising:
detecting, in a field of view of a digital camera, a position of a remote control;
and
automatically selecting, based on the position of the remote control, a region
from the camera's field of view to photograph;
wherein maximum and minimum sizes of the selected region are predetermined, and wherein selecting a region from the camera's field of view comprises[{:}]
- a) selecting a region to photograph that is the smaller of the predetermined maximum size region and the largest region that can be centered, while remaining within the camera's field of view, on the detected location of the remote control when such a region can be selected that is larger than the predetermined minimum region size,

and centering the selected region on the detected location of the remote control; and otherwise

- b) selecting a region to photograph that is of the predetermined minimum region size and is positioned as nearly as possible to centered on the detected location of the remote control and is entirely within the camera's field of view.

24. (Currently amended) The method of claim ~~[[19]] 21, 22, or 23~~ wherein detecting the position of the remote control further comprises:

- a) emitting light from the remote control; and
- b) detecting the emitted light.

25. (Original) The method of claim 24, further comprising:

- a) signaling, using the light emitted from the remote control, the digital camera to perform a function in addition to selecting a region to photograph; and
- b) performing the function in the digital camera.

26. (Canceled)

27. (Currently amended) The method of claim ~~[[19]] 21, 22, or 23~~ wherein detecting the position of the remote control further comprises:

- a) emitting light intermittently from the remote control; and
- b) detecting changes in the state of the emitted light by comparing successive digital images taken by the digital camera.

28. (Currently amended) The method of claim ~~[[19]] 21, 22, or 23~~, further comprising:

- a) emitting light intermittently from the remote control;
- b) making a video recording; and
- c) removing the effect of the light from a video frame in which the light appears.

29. (Original) The method of claim 28 wherein removing the effect of the light from a video frame in which the light appears further comprises copying pixel information from another video frame.
30. (Original) The method of claim 28 wherein the light changes states with a frequency of approximately half the frequency with which the digital camera captures video frames during video recording.
31. (Canceled)
32. (Canceled)
33. (Canceled)
34. (Currently amended) The method of claim ~~[[19]] 21, 22, or 23~~, further comprising improving a resolution of the selected region using an optical zoom capability of the digital camera.
35. (Canceled)